

FIG. 1

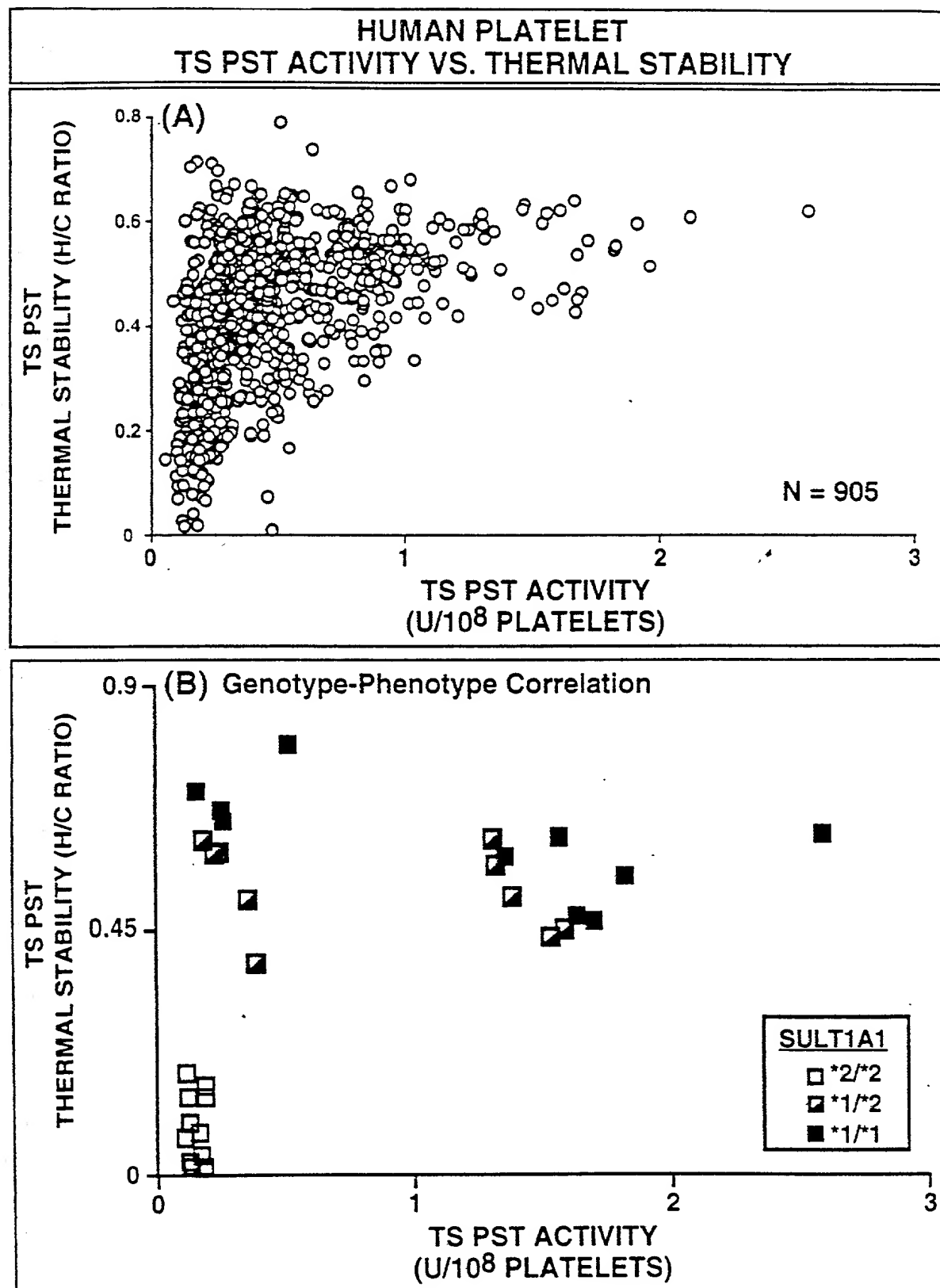


FIG. 2

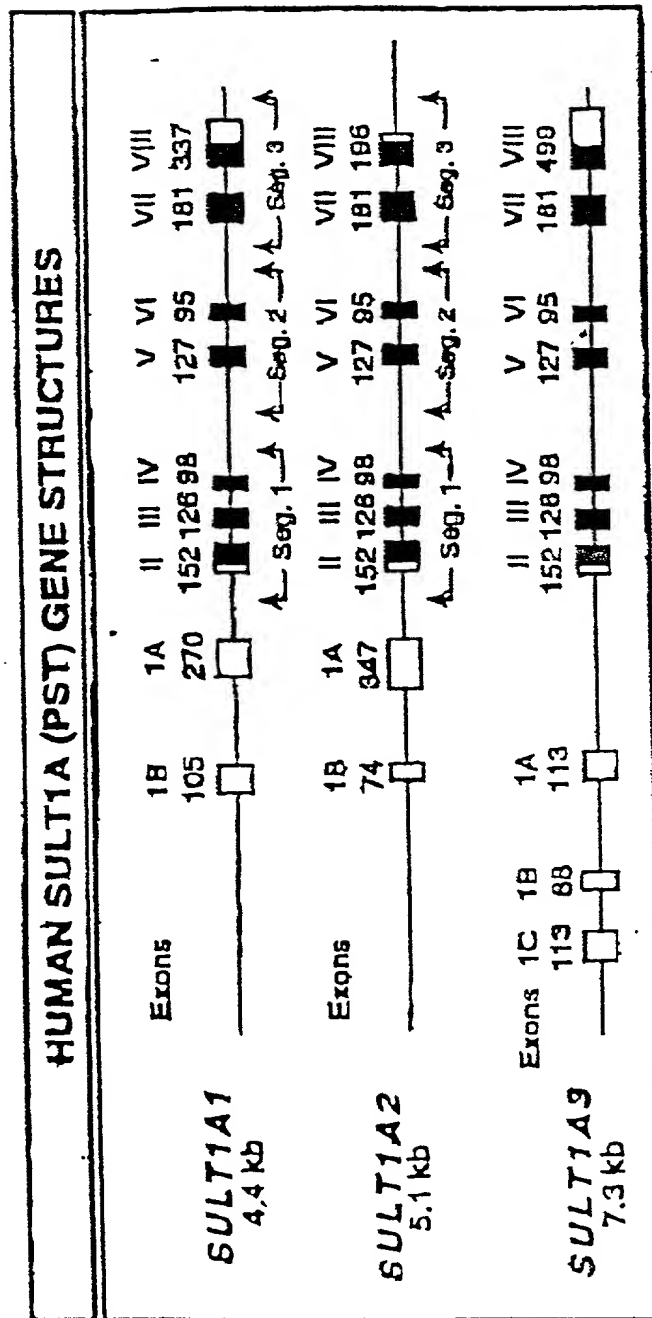


FIG. 3

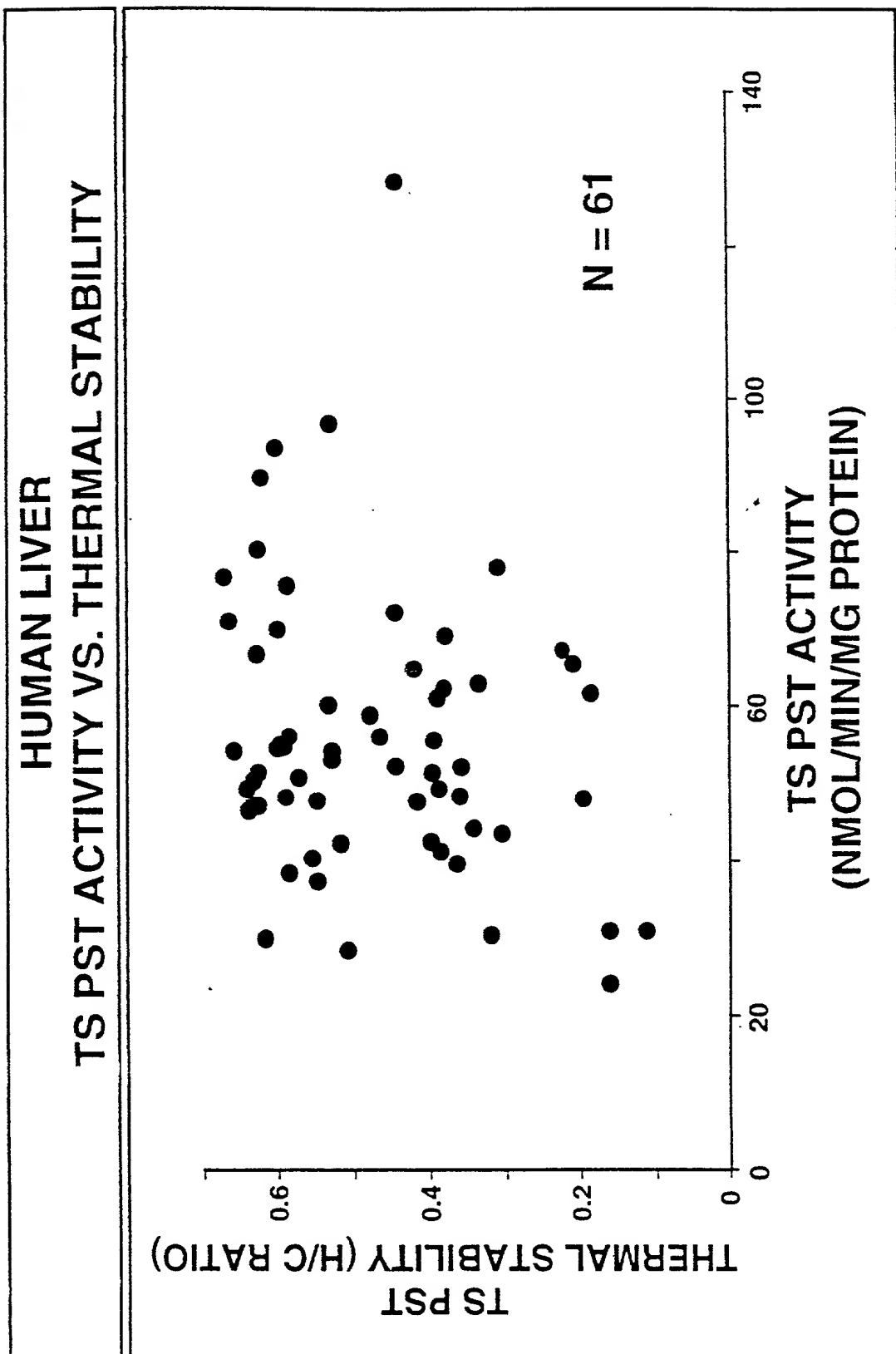
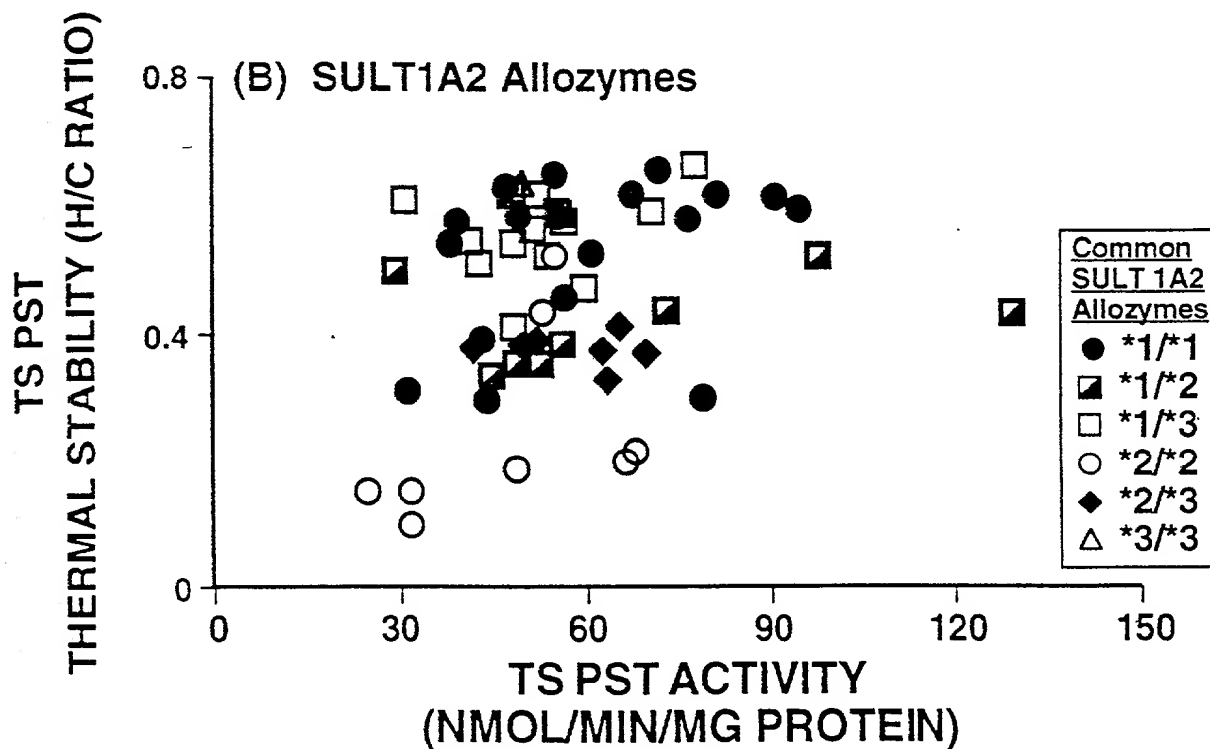
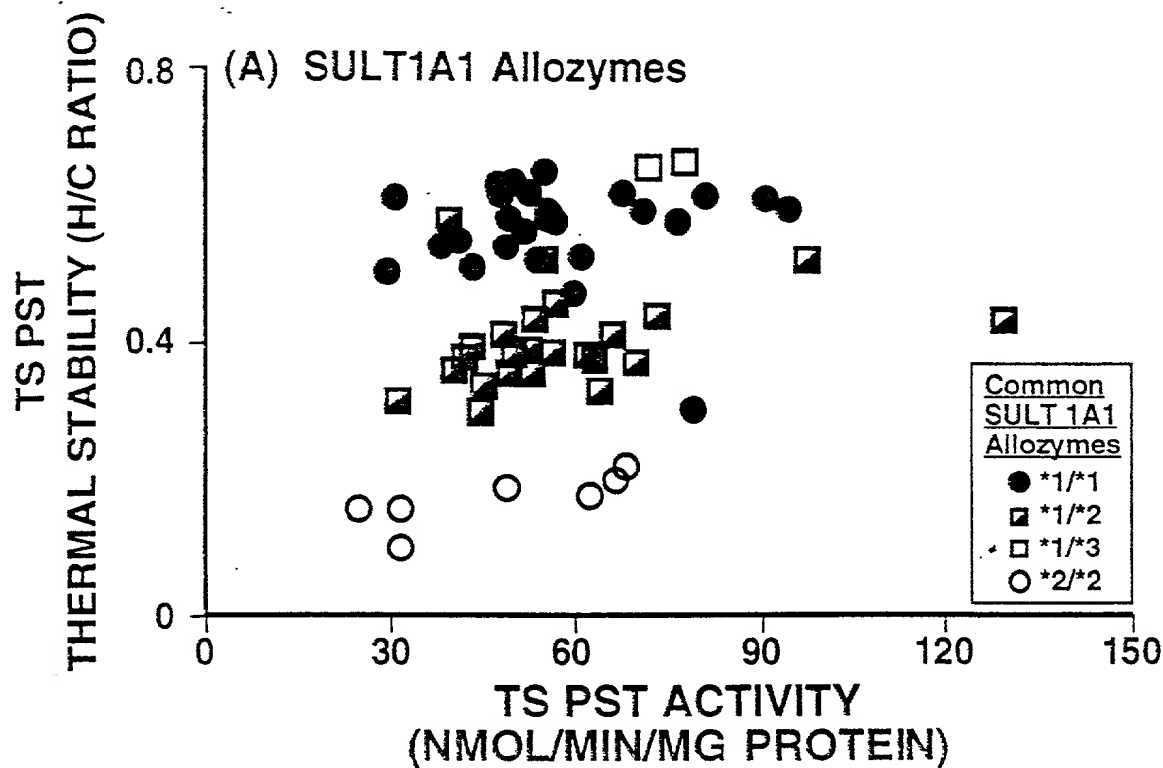


FIG. 4

HUMAN LIVER TS PST GENOTYPE-PHENOTYPE CORRELATION



HUMAN SULT1A1 GENE SEQUENCE

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201	agagcccccag cgtatctgccc gtcggagggag cctctctccgg aagaaacagat gacgctctctg ccccccagagg gccaatgccc cagctgagtg cagcccccggg	
301	gggctctgcca tggctgagctt gtcgagggag gtcgagggag ggcgggggga gctgctgccc gatcttgcca ttcaggggcg agccctggagg	
401	ggacgggggga aatagcgagaa gacctgggaat cagaaagagct gacgggggct tggctccagg cctccctccc agctccctcc ggcctccagg aggcctccaa aaacccggctg	
501	cctctgctccc gtagcgagac cggagagagct cagagagagct cagagagagct cagagagagct cagagagagct cagagagagct cagagagagct cagagagagct	
601	gacatcgagcc ttagcccgctt cctctctctt cttctctctt tctctctctt tctctctctt tctctctctt tctctctctt tctctctctt tctctctctt	
701	tctctgctcca cagcaacccc cctctctctg gctcagagga tctctctctt tctctctctt tctctctctt tctctctctt tctctctctt tctctctctt	
801	aattctctat ctttagtaca gacaaggtct cttctctctt gtcagagctg tctctctctt cctctctctt cctctctctt cctctctctt cctctctctt	
901	cctgggctccc agggagtgag cactctgccc ggcctctctt cactctctg cactctctg cactctctg cactctctg cactctctg cactctctg	
1001	gcagactccc cgcagagtaa agggagctcc ccaagagagg gaaagctggg gcccctcaag gactgtctca tgcctctcca gctctctcca tgcctctcca	
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2201	cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt	
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2401	cagaaagagga aactctctct cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt	
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4201	<u>cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt</u>	EXON IV
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Figure 1. SULT1A1 gene sequence. Exon sequence is shown in uppercase, while intron, 5'-flanking region and 3'-flanking region sequence is in lowercase. The 'ATG' translation initiation codon and the 'TGA' translation termination codon are underlined. Amino acid sequence encoded by the gene is listed in single-letter code beneath the nucleotide sequence.

[illegible][illegible]

Figure 2 *SVF710* gene sequence. Exon sequence is shown in uppercase, while intron, 5'-flanking region and 3'-flanking region sequence is in lowercase. Amino acid sequence encoded by the gene is listed in single-letter code beneath the nucleotide sequence.

[illegible]

1	acctctgctt	cctgggtcca	agcaatcttc	cttcctcacc	ctccagagta	gctgggatta
61	cacgcgcctg	ccaccgcgcc	tggcctaatt	tttgtatttt	tagtagagat	gggggtttcc
121	aaccatgttg	gccaggctgg	tctccaaact	cctgacctca	ggtgatcctg	cccacctaag
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361	ggctgcagtg	gtgaggctgt	gactcaatca	atcactgctg	atgctcccag	gacctgcacc
421	agcttagtcc	taggggcaag	gattttaact	gtccacctca	gtttcttcat	ttgtaagatg
481	caaataacag	tcaccctctg	ctcatgggat	ggagctgtgt	aatgcccga	acagtgcctg
541	ctgcatagag	gggttgctgc	cagctgcctc	tcctcctctg	tctcttacct	gcctgctgcc
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781	agggtgcccc	gttgtgcaat	ccaggcccgag	gcagctgagc	cctcatctca	gcatgcaggg
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901	gtagctgtga	gaagtcactg	ctttggggag	acctgatctg	gctgtgccag	atggacactg
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1621	agggtcggct	cctaggggcaa	tgggactaca	gtgtccttgt	cctttcttat	tctttcttgt
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2761	ggttaaggagg	gtaatagaga	agcttcccca	ccctcaacct	cacctcttcc	ttcctggagt
2821	tcccagccct	gactttagat	ccctccgaca	ctggaccttc	aaaaccttca	gggcagagag
2881	cagccctaca	ctccctacac	cacacccata	ctcagccctt	gcaggcaagg	agagaacagg
2941	tcaggttccc	gaagactcag	gtgagtgaac	cgttggaatg	gcccagggca	ccttcacctt
3001	gctcagcttg	tggctccaac	attctagaag	ccgagggctc	tgccatccct	gcctttctcc
3061	atggaatattc	catttcaatt	agacaaccca	gcctggcccg	aatccccctg	cgttctctct
3121	tttcttttgt	gtatttttga	gacaggggtg	tgctccgtca	cccaggctgg	agtgtagtgg
3181	gacccctggc	cactgcagcc	tcaaatctct	aggctgaggc	aatcctgccg	cctcagcctc

FIG. 7 CONT.

3241 ctgagtagct ggggttacaa gagcaagcca ccacacccag ctaattttga aaaatatttt
 3301 ttgtagagga gaggtcttgc tttgttgctc aggttggtct caaactccag ggctcaaggg
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